

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
655/64944Serial No.
09/844,043INFORMATION DISCLOSURE CITATION
BY APPLICANT

(Use several sheets if necessary)

Applicant
Richard H. HARVEYFiling Date
April 27, 2001Group
2172

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate |
|------------------|-----------------|------|------|-------|----------|----------------------------|
| | AA | | | | | |
| | AB | | | | | |
| | AC | | | | | |
| | AD | | | | | |
| | AE | | | | | |
| | AF | | | | | |
| | AG | | | | | |
| | AH | | | | | |
| | AI | | | | | |
| | AI | | | | | |
| | AI | | | | | |
| | AI | | | | | |

RECEIVED

DEC 30 2003

Technology Center 2100

FOREIGN PATENT DOCUMENTS

| Document Number | Date | Country | Class | Subclass | Translation | |
|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | Yes | No |
| AL | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| AP | M. Jarke, J. Koch, "Query Optimization in Database Systems," ACM Computing Surveys, Vol. 16, No. 2, June 1984, pp. 111-152, XP002229970. |
| AQ | S. Grumbach, T. Milo, "Towards Tractable Algebras for Bags," Proc. 12 th Intl. Conf. on Management of Data and Symposium on Principles of Database Systems, May 1993, pp. 49-58, XP002233522, Washington, D.C. |
| AR | The Proceedings of IFIP WG6.6 International Symposium (ISBN: 0444 889 167) Francois Peruchond, Cuno Lanz & Bernard Plattner "A Relational Data Base Design for an X.500 Directory System Agent". - pgs. 405-418. |
| AS | "Object-Oriented Modeling and Design" by J. Rumbaugh, et al., 1991, ISBN 0-13-630054-5, pp. 366-396. |

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

655/64944

Serial No.

09/844,043

INFORMATION DISCLOSURE CITATION
BY APPLICANT

(Use several sheets if necessary)

Applicant

Richard H. HARVEY

Filing Date

April 27, 2001

Group

2172

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|--|
| AP | CCITT, Volume VIII, DATA COMMUNICATION NETWORKS DIRECTORY RECOMMENDATIONS X.500-X521 ISBN 92-61-03731-3. |
| AQ | DATABASE DESIGN AND MANAGEMENT, David Stamper and Wilson Price, 1990 ISBN 0-07-100934-5, pp. 295-323. |
| AR | MOLESWORTH, R., "AN OVERVIEW OF THE CCITT X.500 DIRECTORY SYSTEM" Second IEE National Conference on Telecommunications, No. 1989, 4/2/89, pp. 179-183. |
| AS | HUNG, R. "CCITT X.500 DIRECTORIES - PRINCIPLES AND APPLICATIONS" Computer Communications, Vol. 15, No. 10, 12/1/92, pp. 636-645. |
| AS | ORDILLE J J ET AL., "NOMENCLATOR DESCRIPTIVE QUERY OPTIMIZATION FOR LARGE X.500 ENVIRONMENTS" Computer Communications Review, Vol. 21, No. 4, 9/1/91, pgs. 185-196. |
| AS | BOHDAN SMETANIUK: "DISTRIBUTED OPERATION OF THE X.500 DIRECTORY" Computer Networks and ISDN Systems, Vol. 21, No. 1, 3/1/91, pp. 17-40. |
| AS | COOKE B. ET AL., "DIRECTORY SERVICES IN THE HP MAP 3.0 ENVIRONMENT" Hewlett-Packard Journal, Vol. 41, No. 4, 8/1/90, pgs. 15-23. |
| AS | HEYWOOD P. ET AL., "A BIG STEP TOWARD A GLOBAL DIRECTORY", Data Communications, Vol. 23, No. 1, 1/1/94, pp. 99-100. |
| AS | The Proceedings of IREE, ACTS '91, 22-24 April 1991 (ISBN: 0909394 253), C.M.R. Leung "GDSA: An X.500 Directory Implementation Supporting Heterogeneous Databases."; pgs. 84-96. |
| AS | 1266 Hewlett-Packard Journal 41 (1990) August, No. 4, Palo Alto, CA, US, "Directory Services in the HP Map 3. Environment; B. Cooke, C. Fettig, P. Koski, D. Swope and R. Vandoorn, pp. 15-23. |
| AS | European Communication dated April 2, 1998 |
| AS | PCT Written Opinion (PCT Rule 66) dated May 27, 1996 |
| AS | PCT Notification of Transmittal of International Preliminary Examination Report dated 12/23/96 |
| AS | PCT Written Opinion (PCT Rule 66) dated September 19, 1996 |
| AS | PCT Written Opinion (PCT Rule 66) dated August 5, 1996 |
| AS | Communication Pursuant to Article 96(2) EPC April 12, 2001 |

EXAMINER

DATE CONSIDERED

Technology Center 2100

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
655/64944Serial No.
09/844,043

DEC 22 2003

INFORMATION DISCLOSURE CITATION
BY APPLICANT

(Use several sheets if necessary)

Applicant
Richard H. HARVEYFiling Date
April 27, 2001Group
2172

U.S. PATENT DOCUMENTS

| Examiner Initial | | Document Number | | | | | | | Date | Name | Class | Subclass | Filing Date if Appropriate |
|------------------|----|-----------------|---|---|---|---|---|---|--------------------|---------------------------|-------|----------|----------------------------|
| <i>JM</i> | AA | 5 | 9 | 8 | 7 | 4 | 4 | 6 | November 16, 1999 | Corey et al. | | | |
| <i>JM</i> | AB | 6 | 0 | 8 | 5 | 1 | 8 | 8 | July 4, 2000 | Bachman et al. | | | |
| <i>JM</i> | AC | 6 | 1 | 2 | 2 | 6 | 2 | 7 | September 19, 2000 | Carey et al. | | | |
| <i>JM</i> | AD | 6 | 0 | 0 | 9 | 4 | 2 | 2 | December, 1999 | Steven Matthew Ciccarelli | | | |
| <i>JM</i> | AE | 5 | 9 | 5 | 3 | 7 | 1 | 6 | September 14, 1999 | Madnick et al. | | | |
| <i>JM</i> | AF | 5 | 6 | 3 | 4 | 0 | 5 | 3 | May 27, 1997 | Noble et al. | | | |
| <i>JM</i> | AG | 5 | 6 | 9 | 2 | 1 | 8 | 1 | November 25, 1997 | Anand et al. | | | |
| <i>JM</i> | AH | 5 | 7 | 9 | 4 | 2 | 3 | 2 | August 11, 1998 | Mahlum et al. | | | |
| <i>JM</i> | AI | 5 | 5 | 4 | 8 | 7 | 2 | 6 | August 20, 1996 | Pettus | | | |
| <i>JM</i> | AI | 5 | 3 | 8 | 8 | 2 | 5 | 5 | February, 1995 | Pytlik et al. | | | |
| <i>JM</i> | AI | 5 | 4 | 1 | 4 | 8 | 1 | 2 | May, 1995 | Filip et al. | | | |
| <i>JM</i> | AI | 6 | 0 | 5 | 2 | 6 | 8 | 1 | April, 2000 | Richard H. Harvey | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

DEC 30 2003

Technology Center 2100